

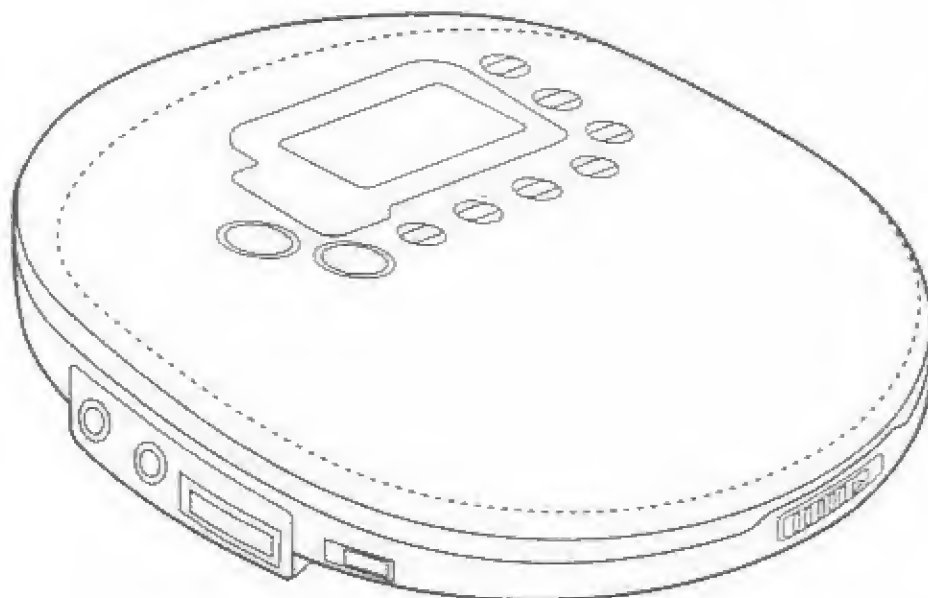


**45 SECOND ANTI-SKIP CD PLAYER  
WITH DIGITAL ELECTRONIC TUNING  
AM/FM STEREO RADIO**

**MODEL # MD5485**

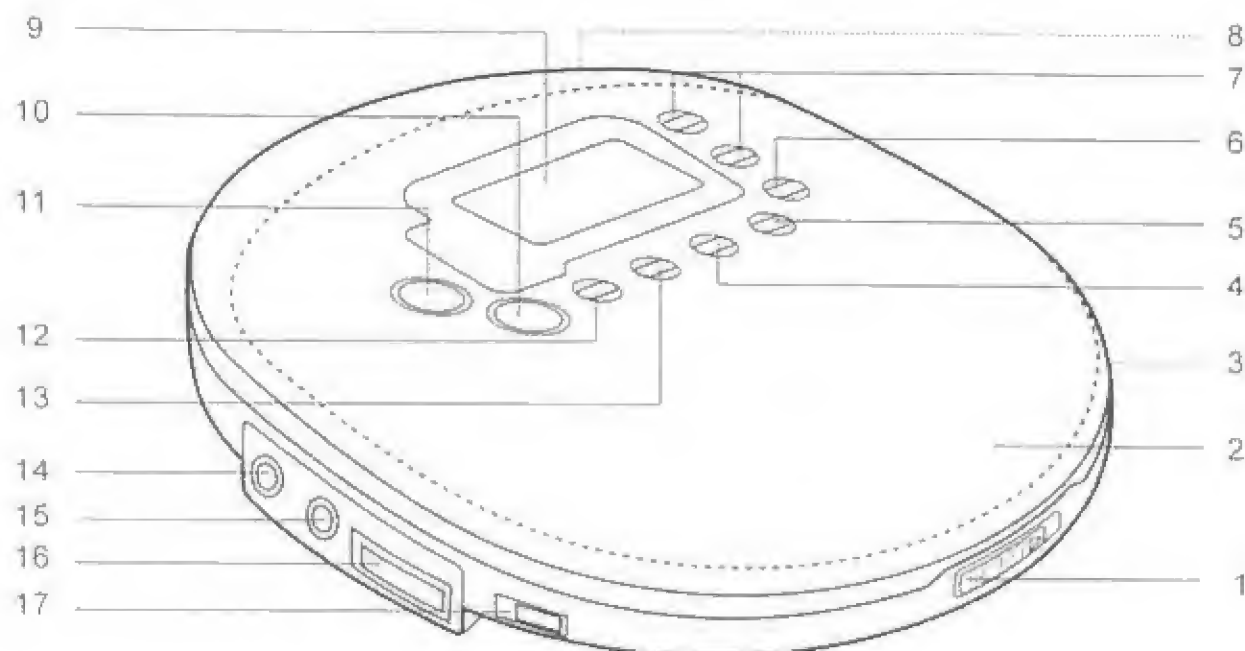
*Old*

**BEFORE OPERATING THIS PRODUCT PLEASE  
READ THESE INSTRUCTIONS COMPLETELY**



**OPERATING INSTRUCTIONS**

## LOCATION OF CONTROLS



1. CD DOOR OPEN SWITCH
2. CD COMPARTMENT LID
3. FUNCTION (TUNER / CD) BUTTON
4. PROG (PROGRAM) & MEMORY BUTTON
5. MODE & STEREO / MONO BUTTON
6. ESP & BAND
7. PRESET UP (▲) / DOWN (▼)
8. DC 4.5V INPUT JACK
9. LCD DISPLAY WINDOW
10. STOP & POWER OFF BUTTON
11. PLAY / PAUSE & RADIO ON BUTTON
12. SKIP / SEARCH (⏮) & TUNING DOWN BUTTON
13. SKIP / SEARCH (⏭) & TUNING UP BUTTON
14. LINE OUT JACK
15. HEADPHONE or EARPHONE JACK
16. VOLUME CONTROL KNOB
17. DBBS (BASS BOOST) SWITCH

## POWER SOURCE NORMAL BATTERIES/AC ADAPTOR

### Battery Power Operation

1. Open the battery compartment cover and insert two "AA" alkaline batteries inside the battery compartment. Follow the polarity as indicated in the battery compact.
2. Close the battery compartment cover.

### Note :

1. When the unit is to be operated using batteries, always unplug the AC adaptor from the AC power outlet and the DC output jack from the set. Otherwise the player will not operate.
2. When operating on batteries and the CD player no longer plays, the Radio can still be used.


### AC Operation

1. Insert the DC plug at the end of the AC adaptor cord into the DC input jack, on the rear of the unit.
2. Plug the AC adaptor into a 120V 60Hz AC power outlet socket.



## HEADPHONE AND HI-FI CONNECTION

### ■ Listing with the Headphone

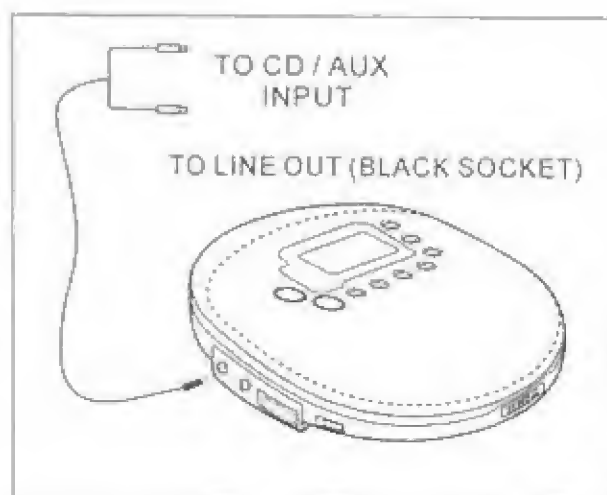
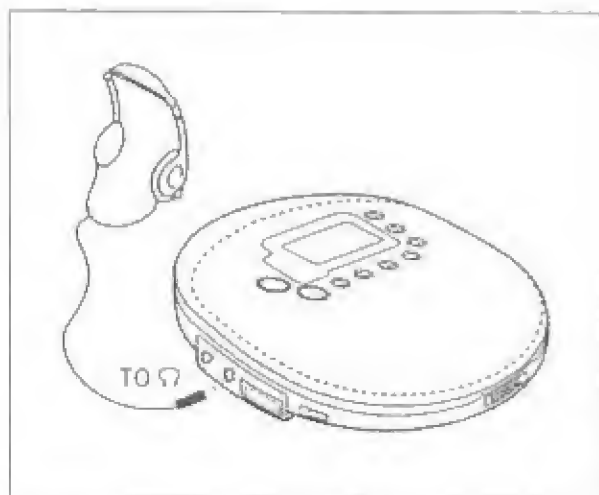
Connect the plug of the stereo headphones into the (GREEN)  socket.

**Caution:** Avoid excessive volume levels and listening to sound for a long period of time when using headphone, as this may impair your hearing.

### ■ Connecting to component audio systems

Connect a stereo connection cable (not included) into the 3.5mm LINE OUT (BLACK) Socket of the unit and the CD / AUX inputs of an audio system.

**Note:** Always switch the power off before making any connections between the player and another unit.



## PLAYER MAINTENANCE

### Cleaning the Cabinet

Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

### Cleaning the lens

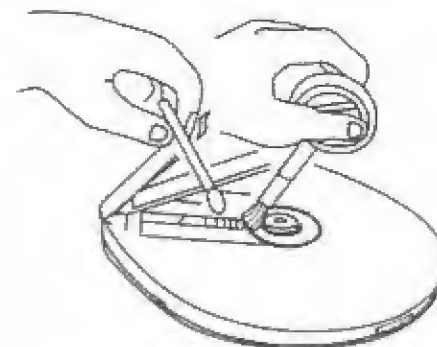
A dirty lens will cause sound skipping and, if the lens is very dirty, the CD may not work. Open the disc cover and clean the lens as follows:

#### Dust or Dry Particles

Using a camera lens brush / blower, blow on the lens couple times, then wipe it lightly with the brush to remove dust. Then, blow on the lens once more.

#### Finger prints

If the lens cannot be cleaned by using a brush / blower, use a dry cotton swab starting in the middle and working to the outside edge.



## BASIC DISC PLAY

1. Set the Tuner / CD switch to CD.
2. Connect the headphones to the PHONES (GREEN) socket.
3. Slide the OPEN switch to open the CD compartment lid.
4. Set the VOLUME control to minimum.
5. Insert the disc with the label side facing up. Push down in the center until the disc is locked in place.
6. Close the lid securely until it clicks shut.
7. Press the PLAY button, the total number of tracks will be displayed and the disc will start playing.
8. Adjust volume level as required.

### Turning Power on and off (CD Mode)

This unit has no ON/OFF switch for the CD section. To turn on and off, press the following buttons.

To turn on: Press ►►► PLAY/PAUSE (playback Starts)

To turn off: Press ■ STOP during standby mode.

Opening the disc compartment also turns the power off.

### Remove the Disc

Hold the edge and gently press the center pivot as illustrated, then pick up the disc.

### CAUTION:

Wait for disc to stop rotating before pressing the OPEN button.

### AUTO power-off function (CD Mode only)

When the unit is stopped (standby mode) for approximately 1 minutes, the power is automatically turned off.

**To Emphasize the bass sound**  
Set the BASS BOOST switch to the ON position.



**Note** The Bass Boost Performance will be dependant on the VOLUME control setting.

## LCD DISPLAY INFORMATION

When the **▶||** is pressed at initial start up

The display will briefly show as diagram

then proceed to start playback.

To review the total number of tracks on

the disc and total disc times, press the

■ STOP button once.

**Note:** The ANTI-SKIP function will start automatically. Once the PLAY button is pressed,



**During PLAY mode**

The track number and the elapsed playing  
Time are displayed.



This sixth track has elapsed  
2 min 30sec.

**During PAUSE mode**


The track playback is paused, the elapsed  
time and track number is flashing.

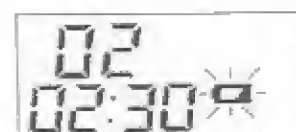


### Note

When lid is opened during play mode "----" shows in the display is indicating the door still open.

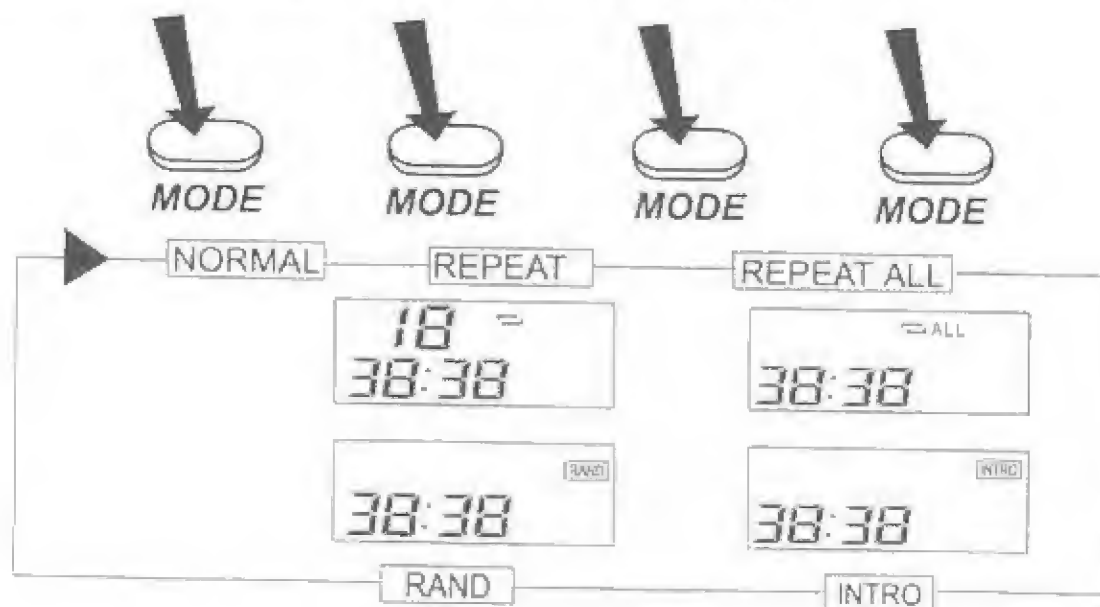
### Note

A flashing  indication appears on the display when the batteries need to be changed.



## REPEAT AND PLAY MODES

Every time the CD MODE button is pressed,  
The corresponding mode appears in the display window.

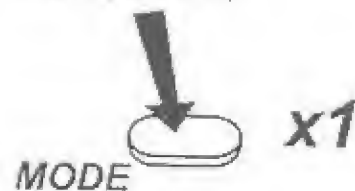


Show on the LCD display. The current track on the disc will be repeated.

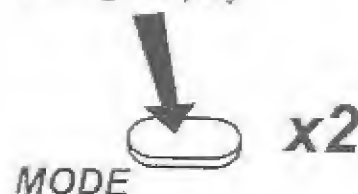


Show on the LCD display. All tracks on the disc will be repeated.

During the play



During the play



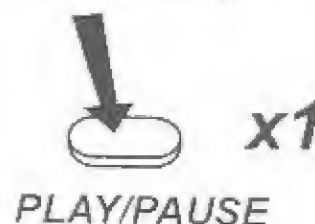
**NOTE:** In normal mode none of the above symbols show in the display.

### NORMAL PLAYBACK

Play the whole disc.



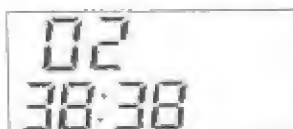
Press once to play



## INTRO SCAN AND PROGRAMMED TRACK PLAY

### INTRO

Plays the first 10 second of each track on the disc.



When in the STOP mode press the MODE button three times and then press the PLAY/PAUSE button to start INTRO playback.  
During disc playback press the MODE button three times and then press the back skip button to start INTRO playback. Alternatively INTRO will start at the end of the current playing track.

During playback



### PROGRAMME

This allows selected tracks on the disc to be played in any desired order.

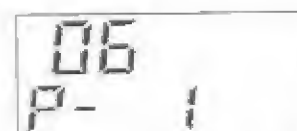
#### To set the programme play

\* Programmes can only be set in the STOP mode.

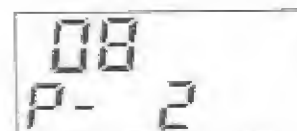
1. Press the PROG button when the unit is in the stop mode.

\* The track number and I PROG indicator appear in the display.

2. Press or to select the desired track.
3. Press the PROG button to enter the track into memory.
4. Repeat step 2 and 3 to programme the order of more tracks up to 24 tracks can be programmed into memory.
5. Press to start the programmed play.
6. To erase the programme, simply press the STOP button twice.

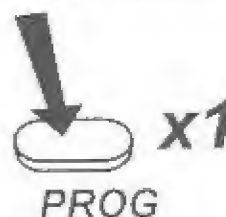


Track no. of the first desired selection



The second selection

During stop mode





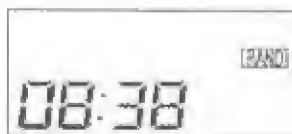
## RANDOM PLAY

### SHUFFLE

Enables all the tracks on a disc to be played in a Random ( Shuffle ) sequence.

For example : If "RAND" is selected while playing track 8, the random function will commence once track 8 has ended.

When all tracks on a disc have been played the player will automatically stop and power down in approx. 1 minutes to preserve battery life.



During the play



Press MODE button again to return to the NORMAL play mode.

## SKIP AND SEARCH FUNCTIONS

### Locating a Particular track




To skip back to the beginning of the current or a previous track	Press <b>⏮</b> lightly and repeatedly.
To skip to the beginning of following tracks	Press <b>⏭</b> lightly and repeatedly.

### Locating a Particular Point in a track

To search back at a high speed	Keep <b>⏮</b> depressed
To search forward at a high speed	Keep <b>⏭</b> depressed

Low level audio will be heard during the search process to assist in locating correct point in the track.

## DIGITAL ANTI SHOCK OPERATION

This player incorporates the latest digital anti shock circuit, which prevents interruption of the sound output if the unit is subjected to shock or vibration during disc playback. The anti shock system will automatically start when a disc is played,  is shown in the display during start up and  when shows the data buffer is full and the anti shock system is it's most effective. If the anti shock function is not required then it can be switched off by pressing the ANTI-SKIP button until the symbol  disappears from the display.



The sound will mute for approximately 1 second while the buffer fills, once filled the buffer will give approximately 45 seconds of protection against interruption of sound output, if the player is subjected to shock of over 45 seconds duration some interruption of sound output will occur, this is normal and to be expected, the sound will resume once the player has stabilized from the shock.

To turn this function off press the ANTI-SKIP button.

### Notes:

1. When using the ANTI-SKIP function the battery power consumption increases because the disc rotates faster than normal and the dynamic memory is active.
2. Whilst the ANTI-SKIP function provides for continuous sound output when the unit is subjected to shock or vibration. It will not correct errors arising from the use of defective scratched or dirty discs.
3. When powering the player solely from batteries, only use the ANTI-SKIP function where necessary to preserve their life.

## RADIO OPERATION

1. Set the TUNER/CD switch to tuner for RADIO mode, press RADIO ON (▶▶) key.
2. Press the BAND key to select AM or FM.  
Note : To improve reception, rotate the unit in all directions until best reception is obtained (AM only).
3. Press the MODE button key to select FM MONO or FM STEREO (FM Band only).
4. To turn the radio off press RADIO OFF (■) key.

### Stereo/Mono

When listening to a radio station broadcasting in FM stereo, press the MODE button to select on mode. The STEREO indicator will show in the display. If the FM Stereo signal is weak, push the MODE button to select OFF mode (the station will be received in mono but the background noise will be reduced.) The stereo indicator will be off.

### Aerial

AM : The unit is equipped with an internal rod aerial. For best reception, rotate the unit.

FM : The headphones cord acts as an aerial and must be fully extended for best reception.

### Manual Tune

To manually tune to a station briefly, press the Tune up or down (◀◀ or ▶▶) buttons until the station is tuned in.

### Automatic Tune

To Automatically tune to a station, press and hold either tune up or down (◀◀ or ▶▶) buttons. The unit will automatically tune to and stop at the first Station of sufficient signal strength.

## MEMORIZING PRESET STATIONS

You can store up to 10 radio stations for each band into the memory. To memorize preset stations:

1. Set the function switch TUNER / CD to TUNER for RADIO mode.
  2. Press the BAND button to select AM or FM.
  3. Tune the desired station by pressing the Tuning UP/DOWN (◀◀ or ▶▶) buttons.
  4. Press the PROG button. "PROG" indicator appear in the display.
  5. Press the preset UP (▲) or DOWN (▼) buttons to select the desired preset station number. To
  6. Press the PROG button again to store the station in the required location.
  7. Repeat step 3 to 6 until all desired stations are programmed into the memory.
- Notes : When a new, different station is preset, the previous preset station will be erased.

## RECALLING PRESET STATIONS

1. Set the function switch TUNER/CD to TUNER for RADIO mode.
2. Press the PLAY/PAUSE button to turn on RADIO.
3. Press the BAND button to select AM or FM.
4. Press the preset UP (▲) or DOWN (▼) buttons to select the desired station number.

## SPECIFICATIONS

AUDIO		GENERAL	
D/A conversion	1-bit DAC eight times oversampling	Power requirements	- 2 x LR6 "AA" alkaline battery DC in 4.5V jack accepts AC power adaptor (centre positive)
Frequency response	20-20,000Hz (±1/3 dB)		
Anti shock	45 second buffer		
Wow and flutter	Below measurable limits	Power consumption	0.8W (DC 3V) UNDER NORMAL CONDITION
No. of channels	2 channels (stereo)		
Output level	Line output: 0.6 Vrms (47k $\Omega$ ) Headphone: 16mW (32 $\Omega$ )	Dimension	Approx. 129(W) x 30(H) x 138(D) mm
Bass boost effect (100Hz)	+6dB	Weight	Approx. 260g not including battery

PICK-UP			
System	Compact disc digital audio system	Properties	Wavelength: $\lambda$ - 780nm Emission duration: continuous Laser output: < 44.6 $\mu$ W
Laser diode	Material: GaAlAs	Error correction	Cross-interleave Reed-solomon code

## TROUBLESHOOTING GUIDE

Should you experience difficulties in the use of this player please refer to the following chart before contacting your dealer or the place of purchase.  
"CUSTOMER SERVICE : 1-800-919-3647"

Problem	Points to Check
Player fails to function	Disc may be inserted upside down Disc not mounted correctly on chuck Dirty or defective disc Dirty pick up lens Player lid not closed Moisture/ condensation, allow player to warm up to room temperature for 60 minutes. AC power to adaptor switched off Weak batteries Auto power off has occurred, press play button to restore power.
No sound from Earphones	Earphone plug is not firmly inserted into the Green Phones socket. Earphones have been inserted into the Black line output socket.
No sound when played through an external amplifier	Connection is incorrect Power to external amplifier not switched on
Intermittent Sound	Dirty or defective disc Dirty pick up lens player is subject to excessive vibration or shock Low battery power Poor Earphone connection
Noise or sound distorted on AM or FM broadcasts	Station not tuned properly Turn the unit for best reception FM antenna needs adjusting

Memcorp, Inc.  
Weston, FL33331

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